

**=> IFW: Scan as Doc Code: SRNT <=
 Doc Date:**

TC 3700 Inventor Search Program

See attached inventor searches for applications and/or patents to help resolve questions of overlapping subject matter. These searches are provided as an initial examination aid: examiners should perform updated or expanded PALM or EAST inventors searches as appropriate.


Serial Number: 10/624,458

**1.) See attached printout of inventors listed in
PALM**

**2.) See attached EAST Inventor Search
Printout shows Inventor search terms**

Day : Thursday
Date: 6/22/2006

Time: 09:24:43

 PALM INTRANET

Inventor Information for 10/624458

Inventor Name	City	State/Country
KRAMER, ANDREW P.	STILLWATER	MINNESOTA
KADHIRESAN, VEERICHETTY	TEMECULA	CALIFORNIA
DING, JIANG	MAPLEWOOD	MINNESOTA
BAUMANN, LAWRENCE	BLOOMINGTON	MINNESOTA
VANDERLINDE, SCOTT	PLYMOUTH	MINNESOTA

[Appln Info](#)[Contents](#)[Petition Info](#)[Atty/Agent Info](#)[Continuity Data](#)[Foreign Data](#)Search Another: Application# or Patent# PCT / / or PG PUBS # Attorney Docket # Bar Code #

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

US 20060135998 A1	US-PGPUB	20060622	System and method for closed-loop neural stimulation	607/2		Libbus; Imad et al.
US 20060116731 A1	US-PGPUB	20060601	METHOD AND APPARATUS FOR QUANTIFICATION OF CARDIAC WALL MOTION ASYNCHRONY	607/17		Kramer; Andrew P. et al.
US 20060116728 A1	US-PGPUB	20060601	REDUCTION OF INTERACTION WITH TACHYARRHYTHMIA DETECTION BY NEGATIVE OFFSET PACING	607/9		Stahmann; Jeffrey E. et al.
US 20060116727 A1	US-PGPUB	20060601	AUTOMATIC SELECTION OF STIMULATION CHAMBER FOR VENTRICULAR RESYNCHRONIZATION THERAPY	607/9		Ding; Jiang et al.
US 20060106429 A1	US-PGPUB	20060518	System and method for closed-loop neural stimulation	607/44		Libbus; Imad et al.
US 20060106428 A1	US-PGPUB	20060518	Cardiac rhythm management device with neural sensor	607/23		Libbus; Imad et al.
US 20060089856 A1	US-PGPUB	20060427	Integrated pharmaceutical dispensing and patient management monitoring	705/2		Kadhiresan; Veerichetty et al.
US 20060089592 A1	US-PGPUB	20060427	Systems and methods for drug therapy enhancement using expected pharmacodynamic models	604/65	128/923	Kadhiresan; Veerichetty et al.
US 20060074463 A1	US-PGPUB	20060406	Adaptive software configuration for a medical device	607/60		Seeberger; Michael et al.
US 20060052830 A1	US-PGPUB	20060309	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/4		Spinelli; Julio C. et al.
US 20060047320 A1	US-PGPUB	20060302	Method and system for delivering cardiac resynchronization therapy with variable atrio-	607/25		Ding; Jiang et al.

			ventricular delay			
US 20060041298 A1	US-PGPUB	20060223	Method and apparatus for sensing cardiac contractile function	607/122		Yu; Yinghong et al.
US 20060041279 A1	US-PGPUB	20060223	Detection and treatment of prolonged inter-atrial delay in cardiac resynchronization patients	607/9		Yu; Yinghong et al.
US 20060030902 A1	US-PGPUB	20060209	Telemetry switchover state machine with firmware priority control	607/60		Quiles; Sylvia et al.
US 20060030901 A1	US-PGPUB	20060209	Automatic power control for a radio frequency transceiver of an implantable device	607/60		Quiles; Sylvia et al.
US 20060030892 A1	US-PGPUB	20060209	Cardiopulmonary functional status assessment via heart rate response detection by implantable cardiac device	607/19		Kadhiresan; Veerichetty et al.
US 20060020295 A1	US-PGPUB	20060126	Method and apparatus for monitoring heart failure patients with cardiopulmonary comorbidities	607/17	600/513	Brockway; Marina et al.
US 20060010090 A1	US-PGPUB	20060112	Expert system for patient medical information analysis	706/46	600/300	Brockway; Marina et al.
US 20060004418 A1	US-PGPUB	20060105	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9		Stahmann; Jeffrey E. et al.
US 20050288723 A1	US-PGPUB	20051229	Cardiac rhythm management system with maximum tracking rate (MTR) hysteresis	607/9		Kramer, Andrew P.
US 20050283209 A1	US-PGPUB	20051222	On-demand retransmission of data with an implantable medical device	607/60	607/32	Katoozi, Mehdi et al.
US 20050267538 A1	US-PGPUB	20051201	Mode switching algorithm for AV block	607/9	607/25	Kramer, Andrew P. et al.
US 20050256547 A1	US-	20051117	Site reversion in cardiac	607/27		Stahmann,

	PGPUB		rhythm management			Jeffrey E. et al.
US 20050256542 A1	US-PGPUB	20051117	Method and apparatus for detecting oscillations in cardiac rhythm with electrogram signals	607/9		Pastore, Joseph M. et al.
US 20050240237 A1	US-PGPUB	20051027	Capture verification for cardiac resynchronization pacing optimization	607/28		Zhu, Qingsheng et al.
US 20050228455 A1	US-PGPUB	20051013	Trending of conduction time for optimization of cardiac resynchronization therapy in cardiac rhythm management system	607/9		Kramer, Andrew P. et al.
US 20050228454 A1	US-PGPUB	20051013	Trending of conduction time for optimization of cardiac resynchronization therapy in cardiac rhythm management system	607/9		Kramer, Andrew P. et al.
US 20050216066 A1	US-PGPUB	20050929	Dynamically optimized multisite cardiac resynchronization device	607/9		Auricchio, Angelo et al.
US 20050204134 A1	US-PGPUB	20050915	System and method for securely authenticating a data exchange session with an implantable medical device	713/168		Von Arx, Jeffrey A. et al.
US 20050203581 A1	US-PGPUB	20050915	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/9		Spinelli, Julio C. et al.
US 20050165453 A1	US-PGPUB	20050728	Method and apparatus for maintaining synchronized pacing	607/9		Stahmann, Jeffrey E. et al.
US 20050137634 A1	US-PGPUB	20050623	Biatrial pacing optimization for biventricular pacing	607/9		Hall, Jeffrey A. et al.
US 20050137632 A1	US-PGPUB	20050623	Method and system for delivering cardiac resynchronization therapy with variable atrio-ventricular delay	607/9		Ding, Jiang et al.
US 20050137631 A1	US-PGPUB	20050623	Dynamic device therapy control for treating post myocardial infarction patients	607/9		Yu, Yinghong et al.

US 20050137630 A1	US-PGPUB	20050623	Method and system for setting cardiac resynchronization therapy parameters	607/9	607/25	Ding, Jiang et al.
US 20050131480 A1	US-PGPUB	20050616	Method and apparatus for adjustable AVD programming using a table	607/30		Kramer, Andrew P. et al.
US 20050131472 A1	US-PGPUB	20050616	Cardiac pacing using adjustable atrio-ventricular delays	607/9		Ding, Jiang et al.
US 20050107837 A1	US-PGPUB	20050519	Cardiac rhythm management system with optimization of cardiac performance using heart rate	607/9		Salo, Rodney W. et al.
US 20050065565 A1	US-PGPUB	20050324	System and method for cardiac rhythm management with synchronized pacing protection period	607/9		Kramer, Andrew P. et al.
US 20050038480 A1	US-PGPUB	20050217	Ventricular conduction delay trending system and method	607/9	607/25	Ding, Jiang
US 20050038477 A1	US-PGPUB	20050217	Automatic selection from multiple cardiac optimization protocols	607/9	607/27	Kramer, Andrew P. et al.
US 20050021099 A1	US-PGPUB	20050127	Mode transition timing for synchronized pacing	607/9		Stahmann, Jeffrey E. et al.
US 20050004606 A1	US-PGPUB	20050106	Safety pacing in multi-site CRM devices	607/9		Stahmann, Jeffrey E. et al.
US 20040254614 A1	US-PGPUB	20041216	Implantable Cardiac rhythm management system having multiple therapy modalities	607/9		Spinelli, Julio et al.
US 20040243191 A1	US-PGPUB	20041202	Reduction of left-ventricular offset interaction with tachyarrhythmia detection	607/9		Baker, Kenneth L. et al.
US 20040243188 A1	US-PGPUB	20041202	Method and system for display of cardiac event intervals in a resynchronization pacemaker	607/9		Vanderlinde, Scott et al.
US 20040230239 A1	US-	20041118	Cardiac rhythm	607/14		Stahmann,

	PGPUB		management system with staggered pulses for coordination therapy			Jeffrey E. et al.
US 20040230238 A1	US-PGPUB	20041118	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9	607/17	Stahmann, Jeffrey E. et al.
US 20040230237 A1	US-PGPUB	20041118	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9		Stahmann, Jeffrey E. et al.
US 20040225330 A1	US-PGPUB	20041111	System and method for timing synchronized pacing	607/9		Kramer, Andrew P. et al.
US 20040210266 A1	US-PGPUB	20041021	Methods and systems for promoting ventricular pacing	607/25		Kramer, Andrew P.
US 20040210265 A1	US-PGPUB	20041021	Methods and systems for promoting ventricular pacing	607/25		Kramer, Andrew P.
US 20040199211 A1	US-PGPUB	20041007	Methods and systems for promoting ventricular pacing	607/25		Kramer, Andrew P.
US 20040193223 A1	US-PGPUB	20040930	Method and apparatus for adjustment of sequential biventricular pacing parameters	607/9	607/25	Kramer, Andrew P. et al.
US 20040172642 A1	US-PGPUB	20040902	Data storage system	720/649	360/97.02	Ding, Jiangang et al.
US 20040172076 A1	US-PGPUB	20040902	Apparatus and method for pacing mode switching during atrial tachyarrhythmias	607/14		Stahmann, Jeffrey E. et al.
US 20040162496 A1	US-PGPUB	20040819	Method and apparatus for predicting acute response to cardiac resynchronization therapy	600/510		Yu, Yinghong et al.
US 20040147966 A1	US-PGPUB	20040729	Method and apparatus for setting pacing parameters in cardiac resynchronization therapy	607/9		Ding, Jiang et al.
US 20040143305 A1	US-PGPUB	20040722	Cardiac rhythm management system providing control of pacing features with a	607/60		Kalgren, James et al.

			reduced number of variables			
US 20040133246 A1	US-PGPUB	20040708	Automatic selection of stimulation chamber for ventricular resynchronization therapy	607/9		Ding, Jiang et al.
US 20040127948 A1	US-PGPUB	20040701	Reduction of interaction with tachyarrhythmia detection by negative offset pacing	607/14		Stahmann, Jeffrey E. et al.
US 20040116975 A1	US-PGPUB	20040617	Method and apparatus for determining the coronary sinus vein branch accessed by a coronary sinus lead	607/27		Yu, Yinghong et al.
US 20040106960 A1	US-PGPUB	20040603	Phonocardiographic image-based atrioventricular delay optimization	607/17		Siejko, Krzysztof Z. et al.
US 20040098056 A1	US-PGPUB	20040520	Cardiac rhythm management system selecting between multiple same-chamber electrodes for delivering cardiac therapy	607/9		Ding, Jiang et al.
US 20040078060 A1	US-PGPUB	20040422	Cardiac pacing using adjustable atrio-ventricular delays	607/25		Ding, Jiang et al.
US 20040078059 A1	US-PGPUB	20040422	Cardiac pacing using adjustable atrio-ventricular delays	607/25	607/17	Ding, Jiang et al.
US 20040049236 A1	US-PGPUB	20040311	Apparatus and method for reversal of myocardial remodeling with electrical stimulation	607/9	607/17; 607/25	Kramer, Andrew P. et al.
US 20040049112 A1	US-PGPUB	20040311	Apparatus and method for determining responders to cardiac resynchronization therapy using implantable accelerometers	600/481		Yu, Yinghong et al.
US 20040034391 A1	US-PGPUB	20040219	Cardiac rhythm management system with respiration synchronous optimization of cardiac performance using atrial cycle length	607/25		Baumann, Lawrence S. et al.
US 20040019365 A1	US-	20040129	Method and apparatus for	607/17		Ding, Jiang

	PGPUB		optimizing cardiac pumping performance			et al.
US 20040015081 A1	US-PGPUB	20040122	Method and apparatus for quantification of cardiac wall motion asynchrony	600/439	600/508; 607/9	Kramer, Andrew P. et al.
US 20040010295 A1	US-PGPUB	20040115	Apparatus and method for ventricular rate regularization	607/25		Kramer, Andrew P. et al.
US 20030233132 A1	US-PGPUB	20031218	Method and apparatus for detecting oscillations in cardiac rhythm	607/17		Pastore, Joseph M. et al.
US 20030233131 A1	US-PGPUB	20031218	Apparatus and method for ventricular rate regularization	607/9		Kramer, Andrew P. et al.
US 20030220670 A1	US-PGPUB	20031127	System and method for eliminating cross-talk due to far-field signals	607/9		Stahmann, Jeffrey E. et al.
US 20030208240 A1	US-PGPUB	20031106	Method and apparatus for detecting acoustic oscillations in cardiac rhythm	607/17		Pastore, Joseph M. et al.
US 20030199931 A1	US-PGPUB	20031023	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9	607/25	Stahmann, Jeffrey E. et al.
US 20030199862 A1	US-PGPUB	20031023	RF ablation apparatus and method using multi-frequency energy delivery	606/34	606/41	Simpson, John A. et al.
US 20030195575 A1	US-PGPUB	20031016	System and method for timing synchronized pacing	607/9		Kramer, Andrew P. et al.
US 20030187482 A1	US-PGPUB	20031002	Method and apparatus for detecting oscillations in cardiac rhythm with electrogram signals	607/9		Pastore, Joseph M. et al.
US 20030176894 A1	US-PGPUB	20030918	Site reversion in cardiac rhythm management	607/9		Stahmann, Jeffrey E. et al.
US 20030153952 A1	US-PGPUB	20030814	Dynamically optimized multisite cardiac resynchronization device	607/9		Auricchio, Angelo et al.
US 20030149454 A1	US-PGPUB	20030807	Method and apparatus for maintaining synchronized pacing	607/25		Stahmann, Jeffrey E. et al.

US 20030149452 A1	US-PGPUB	20030807	Method and apparatus for avoiding unwanted sensing in a cardiac rhythm management device	607/9		Tang, Zhengnian et al.
US 20030144703 A1	US-PGPUB	20030731	Method and apparatus for optimizing ventricular synchrony during DDD resynchronization therapy using adjustable atrio-ventricular delays	607/17		Yu, Yinghong et al.
US 20030144702 A1	US-PGPUB	20030731	Method and apparatus for optimizing stroke volume during DDD resynchronization therapy using adjustable atrio-ventricular delays	607/17		Yu, Yinghong et al.
US 20030125777 A1	US-PGPUB	20030703	Method and apparatus for capture verification based on propagated electrical activity	607/27		Ding, Jiang et al.
US 20030120316 A1	US-PGPUB	20030626	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/14		Spinelli, Julio C. et al.
US 20030120315 A1	US-PGPUB	20030626	Apparatus and method for multi-site anti-tachycardia pacing	607/14		Spinelli, Julio C. et al.
US 20030105496 A1	US-PGPUB	20030605	Cardiac resynchronization system employing mechanical measurement of cardiac walls	607/17		Yu, Yinghong et al.
US 20030105495 A1	US-PGPUB	20030605	Method and apparatus for sensing cardiac contractile function	607/17		Yu, Yinghong et al.
US 20030105492 A1	US-PGPUB	20030605	Apparatus and method for ventricular pacing triggered by detection of early excitation	607/9		Ding, Jiang et al.
US 20030097155 A1	US-PGPUB	20030522	Triggered storage of diagnostic data associated with compromised resynchronization therapy	607/9		Stahmann, Jeffrey E. et al.
US 20030093123 A1	US-PGPUB	20030515	Pace counter isolation for cardiac resynchronization pacing	607/9		Stahmann, Jeffrey E. et al.

US 20030088287 A1	US-PGPUB	20030508	Cardiac rhythm management system with maximum tracking rate (MTR) hysteresis	607/9		Kramer, Andrew P.
US 20030083709 A1	US-PGPUB	20030501	Capture verification for cardiac resynchronization pacing optimization	607/27		Zhu, Qingsheng et al.
US 20030083704 A1	US-PGPUB	20030501	Reduction of left-ventricular offset interaction with tachyarrhythmia detection	607/14		Baker, Kenneth L. et al.
US 20030069610 A1	US-PGPUB	20030410	Apparatus and method for ventricular rate regularization with biventricular sensing	607/25		Kramer, Andrew P. et al.
US 20030069607 A1	US-PGPUB	20030410	Safety pacing in multi-site CRM devices	607/9		Stahmann, Jeffrey E. et al.
US 20030069573 A1	US-PGPUB	20030410	RF ablation apparatus and method using amplitude control	606/41		Kadhiresan, Veerichetty A. et al.
US 20030060851 A1	US-PGPUB	20030327	Trending of conduction time for optimization of cardiac resynchronization therapy in cardiac rhythm management system	607/9		Kramer, Andrew P. et al.
US 20030055420 A1	US-PGPUB	20030320	System and method for assessing electrode-tissue contact and lesion quality during RF ablation by measurement of conduction time	606/41	606/34	Kadhiresan, Veerichetty A et al.
US 20030018363 A1	US-PGPUB	20030123	Cardiac pacing using adjustable atrio-ventricular delays	607/9		Ding, Jiang et al.
US 20030004550 A1	US-PGPUB	20030102	Mode transition timing for synchronized pacing	607/9		Stahmann, Jeffrey E. et al.
US 20020183633 A1	US-PGPUB	20021205	Method and apparatus for determining the coronary sinus vein branch accessed by a coronary sinus lead	600/508		Yu, Yinghong et al.
US 20020177879 A1	US-PGPUB	20021128	Cardiac rhythm management system selecting between multiple same-chamber electrodes	607/9		Ding, Jiang et al.

			for delivering cardiac therapy			
US 20020161410 A1	US-PGPUB	20021031	Apparatus and method for reversal of myocardial remodeling with electrical stimulation	607/9		Kramer, Andrew P. et al.
US 20020161307 A1	US-PGPUB	20021031	Method and apparatus for predicting acute response to cardiac resynchronization therapy	600/509		Yu, Yinghong et al.
US 20020151936 A1	US-PGPUB	20021017	Therapy optimization in heart failure patients based on minute ventilation patterns	607/14		Kloss, Michael et al.
US 20020147469 A1	US-PGPUB	20021010	Device and method for ventricular tracking and pacing	607/9		Kramer, Andrew P. et al.
US 20020143264 A1	US-PGPUB	20021003	Identifying heart failure patients suitable for resynchronization therapy using QRS complex width from an intracardiac electrogram	600/510		Ding, Jiang et al.
US 20020133198 A1	US-PGPUB	20020919	Automatic selection from multiple cardiac optimization protocols	607/9		Kramer, Andrew P. et al.
US 20020128687 A1	US-PGPUB	20020912	Multi-site hybrid hardware-based cardiac pacemaker	607/9		Baker, Kenneth L. et al.
US 20020123772 A1	US-PGPUB	20020905	Method for assessing cardiac functional status	607/19	600/508	Sun, Weimin et al.
US 20020120305 A1	US-PGPUB	20020829	METHOD AND APPARATUS FOR ASSESSING CARDIAC FUNTIONAL STATUS	607/19		Sun, Weimin et al.
US 20020120298 A1	US-PGPUB	20020829	Apparatus and method for ventricular rate regularization	607/5		Kramer, Andrew P. et al.
US 20020087198 A1	US-PGPUB	20020704	Apparatus and method for ventricular rate regularization	607/9		Kramer, Andrew P. et al.
US 20020082663 A1	US-PGPUB	20020627	Pace counter isolation for cardiac resynchronization pacing	607/27		Stahmann, Jeffrey E. et al.
US 20020082662 A1	US-	20020627	Method and apparatus for	607/27		Vanderlinde,

	PGPUB		display of ventricular electrograms			Scott et al.
US 20020082660 A1	US-PGPUB	20020627	Apparatus and method for pacing mode switching during atrial tachyarrhythmias	607/14		Stahmann, Jeffrey E. et al.
US 20020082659 A1	US-PGPUB	20020627	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9		Stahmann, Jeffrey E. et al.
US 20020082657 A1	US-PGPUB	20020627	MODE TRANSITION TIMING FOR SYNCHRONIZED PACING	607/9		Stahmann, Jeffrey E. et al.
US 20020082656 A1	US-PGPUB	20020627	Method and apparatus for maintaining synchronized pacing	607/9		Stahmann, Jeffrey E. et al.
US 20020082655 A1	US-PGPUB	20020627	System and method for cardiac rhythm management with synchronized pacing protection period	607/9		Kramer, Andrew P. et al.
US 20020082654 A1	US-PGPUB	20020627	System and method for timing synchronized pacing	607/9		Kramer, Andrew P. et al.
US 20020082653 A1	US-PGPUB	20020627	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9		Stahmann, Jeffrey E. et al.
US 20020082650 A1	US-PGPUB	20020627	System and method for eliminating cross-talk due to far-field signals	607/9		Stahmann, Jeffrey E. et al.
US 20020082649 A1	US-PGPUB	20020627	Safety pacing in multi-site CRM devices	607/9		Stahmann, Jeffrey E. et al.
US 20020082648 A1	US-PGPUB	20020627	Apparatus and method for ventricular rate regularization with biventricular sensing	607/9		Kramer, Andrew P. et al.
US 20020082509 A1	US-PGPUB	20020627	Method and system for display of cardiac event intervals in a resynchronization pacemaker	600/510		Vanderlinde, Scott et al.

US 20020077668 A1	US-PGPUB	20020620	Cardiac rhythm management system providing control of pacing features with a reduced number of variables	607/9		Kalgren, James et al.
US 20020077559 A1	US-PGPUB	20020620	Automatic selection of stimulation chamber for ventricular resynchronization therapy	600/509		Ding, Jiang et al.
US 20020062139 A1	US-PGPUB	20020523	Ventricular conduction delay trending system and method	607/25		Ding, Jiang
US 20020058877 A1	US-PGPUB	20020516	Method for measuring baroreflex sensitivity and therapy optimization in heart failure patients	600/485	600/300; 600/500; 607/17; 607/23	Baumann, Lawrence S. et al.
US 20020049478 A1	US-PGPUB	20020425	Cardiac pacing using adjustable atrio-ventricular delays	607/17		Ding, Jiang et al.
US 20010041918 A1	US-PGPUB	20011115	Multi-site hybrid hardware-based cardiac pacemaker	607/9	607/11	Baker, Kenneth L. et al.
US 20010037069 A1	US-PGPUB	20011101	Heart rate variability as an indicator of exercise capacity	600/510		Carlson, Gerrard M. et al.
US 20010031993 A1	US-PGPUB	20011018	Cardiac rhythm management system with optimization of cardiac performance using heart rate	607/9		Salo, Rodney W. et al.
US 20010016759 A1	US-PGPUB	20010823	System providing ventricular pacing and biventricular coordination	607/9		Kramer, Andrew P. et al.
US 7058449 B2	USPAT	20060606	Safety pacing in multi-site CRM devices	607/17	607/18; 607/9	Stahmann; Jeffrey E. et al.
US 7047066 B2	USPAT	20060516	Method and system for display of cardiac event intervals in a resynchronization pacemaker	600/510	600/523	Vanderlinde; Scott et al.
US 7041061 B2	USPAT	20060509	Method and apparatus for quantification of cardiac wall motion asynchrony	600/508		Kramer; Andrew P. et al.
US 7039462 B2	USPAT	20060502	Method and apparatus for	607/14	600/547;	Pastore;

			detecting oscillations in cardiac rhythm		607/24	Joseph M. et al.
US 7016729 B2	USPAT	20060321	Reduction of interaction with tachyarrhythmia detection by negative offset pacing	607/14	607/9	Stahmann; Jeffrey E. et al.
US 7013176 B2	USPAT	20060314	Method and apparatus for setting pacing parameters in cardiac resynchronization therapy	607/9		Ding; Jiang et al.
US 6999815 B2	USPAT	20060214	Automatic selection of stimulation chamber for ventricular resynchronization therapy	607/9		Ding; Jiang et al.
US 6990375 B2	USPAT	20060124	Adjustment of the breakpoint of the rate response curve based on minute ventilation values	607/20	607/17	Kloss; Michael et al.
US 6988002 B2	USPAT	20060117	Apparatus and method for ventricular rate regularization with biventricular sensing	607/18	607/19; 607/25	Kramer; Andrew P. et al.
US 6980866 B2	USPAT	20051227	Apparatus for sensing cardiac contractile function	607/122	600/508; 600/587; 702/141	Yu; Nancy et al.
US 6963774 B2	USPAT	20051108	Safety pacing in multi-site CRM devices	607/9	607/18	Stahmann; Jeffrey E. et al.
US 6961616 B2	USPAT	20051101	Trending of conduction time for optimization of cardiac resynchronization therapy in cardiac rhythm management system	607/25	607/19; 607/27	Kramer; Andrew P. et al.
US 6957105 B2	USPAT	20051018	Method and apparatus for detecting oscillations in cardiac rhythm with electrogram signals	607/9	607/14; 607/15	Pastore; Joseph M. et al.
US 6957100 B2	USPAT	20051018	Method and system for display of cardiac event intervals in a resynchronization pacemaker	600/510	600/523	Vanderlinde; Scott et al.
US 6952611 B2	USPAT	20051004	Method for assessing cardiac functional status	607/19		Sun; Weimin et al.
US 6944499 B2	USPAT	20050913	Method and apparatus for	607/9		Tang;

			avoiding unwanted sensing in a cardiac rhythm management device			Zhengnian et al.
US 6937901 B2	USPAT	20050830	Capture verification for cardiac resynchronization pacing optimization	607/27		Zhu; Qingsheng et al.
US 6923772 B2	USPAT	20050802	Apparatus and method for determining responders to cardiac resynchronization therapy using implantable accelerometers	600/508	600/481; 607/9	Yu; Yinghong et al.
US 6922589 B2	USPAT	20050726	Site reversion in cardiac rhythm management	607/27	607/28	Stahmann; Jeffrey E. et al.
US 6920355 B2	USPAT	20050719	Multi-site hybrid hardware-based cardiac pacemaker	607/9		Baker; Kenneth L. et al.
US 6915160 B2	USPAT	20050705	Dynamically optimized multisite cardiac resynchronization device	607/9		Auricchio; Angelo et al.
US 6909916 B2	USPAT	20050621	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/9	600/515; 600/518; 607/14	Spinelli; Julio C. et al.
US 6907289 B2	USPAT	20050614	Triggered storage of diagnostic data associated with compromised resynchronization therapy	607/27	607/9	Stahmann; Jeffrey E. et al.
US 6904316 B2	USPAT	20050607	Cardiac rhythm management system with maximum tracking rate (MTR) hysteresis	607/9		Kramer; Andrew P.
US 6885890 B2	USPAT	20050426	Apparatus and method for multi-site anti-tachycardia pacing	607/14		Spinelli; Julio C. et al.
US 6876881 B2	USPAT	20050405	Cardiac rhythm management system with respiration synchronous optimization of cardiac performance using atrial cycle length	607/18	607/20; 607/25	Baumann; Lawrence S. et al.
US 6871095 B2	USPAT	20050322	Method and apparatus for maintaining synchronized pacing	607/9		Stahmann; Jeffrey E. et al.
US 6859665 B2	USPAT	20050222	Cardiac pacing using	607/17	607/9	Ding; Jiang

			adjustable atrio-ventricular delays			et al.
US 6856836 B2	USPAT	20050215	Cardiac pacing using adjustable atrio-ventricular delays	607/17	607/9	Ding; Jiang et al.
US 6829505 B2	USPAT	20041207	System and method for cardiac rhythm management with synchronized pacing protection period	607/9		Kramer; Andrew P. et al.
US 6795734 B2	USPAT	20040921	Method and apparatus for display of ventricular electrograms	607/27	600/509; 600/518; 600/523; 607/19; 607/25; 607/31; 607/63	Vanderlinde; Scott et al.
US 6768924 B2	USPAT	20040727	Method and apparatus for capture verification based on propagated electrical activity	607/28		Ding; Jiang et al.
US 6768923 B2	USPAT	20040727	Apparatus and method for ventricular pacing triggered by detection of early ventricular excitation	607/9		Ding; Jiang et al.
US 6766189 B2	USPAT	20040720	Method and apparatus for predicting acute response to cardiac resynchronization therapy	600/510	600/509	Yu; Yinghong et al.
US 6763267 B2	USPAT	20040713	Ventricular conduction delay trending system and method	607/9		Ding; Jiang
US 6761716 B2	USPAT	20040713	System and method for assessing electrode-tissue contact and lesion quality during RF ablation by measurement of conduction time	606/34	606/41	Kadhiresan; Veerichetty A. et al.
US 6760623 B2	USPAT	20040706	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9		Stahmann; Jeffrey E. et al.
US 6757562 B2	USPAT	20040629	Reduction of left-ventricular offset interaction with tachyarrhythmia detection	607/14		Baker; Kenneth L. et al.

US 6754082 B1	USPAT	20040622	Data storage system	361/727	312/223.1; 312/223.2; 361/685; 361/724	Ding; Jiangang et al.
US 6730078 B2	USPAT	20040504	RF ablation apparatus and method using multi-frequency energy delivery	606/34	606/41	Simpson; John A. et al.
US 6708061 B2	USPAT	20040316	Cardiac rhythm management system with optimization of cardiac performance using heart rate	607/9	607/15; 607/25; 607/27	Saló; Rodney W. et al.
US 6705999 B2	USPAT	20040316	Method and apparatus for determining the coronary sinus vein branch accessed by a coronary sinus lead	600/508	607/27	Yu; Yinghong et al.
US 6704598 B2	USPAT	20040309	Cardiac rhythm management system selecting between multiple same-chamber electrodes for delivering cardiac therapy	607/9		Ding; Jiang et al.
US 6684103 B2	USPAT	20040127	Cardiac pacing using adjustable atrio-ventricular delays	607/23		Ding; Jiang et al.
US 6635056 B2	USPAT	20031021	RF ablation apparatus and method using amplitude control	606/34		Kadhiresan; Veerichetty A. et al.
US 6628988 B2	USPAT	20030930	Apparatus and method for reversal of myocardial remodeling with electrical stimulation	607/9		Kramer; Andrew P. et al.
US 6622040 B2	USPAT	20030916	Automatic selection of stimulation chamber for ventricular resynchronization therapy	607/9		Ding; Jiang et al.
US 6618618 B2	USPAT	20030909	Cardiac rhythm management system providing control of pacing features with a reduced number of variables	607/9	607/30	Kalgren; James et al.
US 6597951 B2	USPAT	20030722	Automatic selection from multiple cardiac optimization protocols	607/9	607/24; 607/25	Kramer; Andrew P. et al.
US 6574506 B2	USPAT	20030603	System and method for	607/9	607/15	Kramer;

			timing synchronized pacing			Andrew P. et al.
US 6553258 B2	USPAT	20030422	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9	607/15	Stahmann; Jeffrey E. et al.
US 6542775 B2	USPAT	20030401	Cardiac pacing using adjustable atrio-ventricular delays	607/24		Ding; Jiang et al.
US 6539249 B1	USPAT	20030325	Method and apparatus for assessing patient well-being	600/510		Kadhiresan; Veerichetty A. et al.
US 6529772 B2	USPAT	20030304	Heart rate variability as an indicator of exercise capacity	600/510	600/521; 607/25	Carlson; Gerrard M. et al.
US 6522921 B2	USPAT	20030218	System and method for eliminating cross-talk due to far-field signals	607/9		Stahmann; Jeffrey E. et al.
US 6512952 B2	USPAT	20030128	Method and apparatus for maintaining synchronized pacing	607/9		Stahmann; Jeffrey E. et al.
US 6501988 B2	USPAT	20021231	Apparatus and method for ventricular rate regularization with biventricular sensing	607/9	607/25	Kramer; Andrew P. et al.
US 6493586 B1	USPAT	20021210	Site reversion in cardiac rhythm management	607/27	607/28	Stahmann; Jeffrey E. et al.
US 6480742 B2	USPAT	20021112	Pace counter isolation for cardiac resynchronization pacing	607/27	607/15	Stahmann; Jeffrey E. et al.
US 6480740 B2	USPAT	20021112	Safety pacing in multi-site CRM devices	607/9	607/25	Stahmann; Jeffrey E. et al.
US 6473646 B2	USPAT	20021029	Method and apparatus for assessing cardiac functional status	607/27	600/510	Sun; Weimin et al.
US 6459934 B1	USPAT	20021001	Estimate of efficiency using acceleration-heart rate ratio	607/9	600/510; 600/520	Kadhiresan; Veerichetty
US 6453192 B1	USPAT	20020917	Detection of ventricular ectopic beats using ventricular electrogram	600/516	607/24	Ding; Jiang et al.
US 6438421 B1	USPAT	20020820	Mode transition timing for	607/9		Stahmann;

			synchronized pacing			Jeffrey E. et al.
US 6427084 B2	USPAT	20020730	Multi-site hybrid hardware-based cardiac pacemaker	607/9		Baker; Kenneth L. et al.
US 6424865 B1	USPAT	20020723	Ventricular conduction delay trending system and method	607/9		Ding; Jiang
US 6415183 B1	USPAT	20020702	Method and apparatus for diaphragmatic pacing	607/42	607/9	Scheiner; Avram et al.
US 6415180 B1	USPAT	20020702	Device and method for ventricular tracking and pacing	607/9		Kramer; Andrew P. et al.
US 6411848 B1	USPAT	20020625	System providing ventricular pacing and biventricular coordination	607/9	607/25	Kramer; Andrew P. et al.
US 6407931 B1	USPAT	20020618	DC to DC converter	361/816	336/65; 361/707; 361/728; 363/141	Yonce; David J. et al.
US 6371922 B1	USPAT	20020416	Method for measuring baroreflex sensitivity and therapy optimization in heart failure patients	600/485	600/500; 607/17; 607/23	Baumann; Lawrence S. et al.
US 6363278 B1	USPAT	20020326	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9		Stahmann; Jeffrey E. et al.
US 6360127 B1	USPAT	20020319	Cardiac pacing using adjustable atrio-ventricular delays	607/23		Ding; Jiang et al.
US 6353759 B1	USPAT	20020305	Cardiac rhythm management system promoting a trial pacing	607/9		Hartley; Jesse W. et al.
US 6351673 B1	USPAT	20020226	Cardiac pacing using adjustable atrio-ventricular delays	607/24	607/25	Ding; Jiang et al.
US 6351669 B1	USPAT	20020226	Cardiac rhythm management system promoting atrial pacing	607/5		Hartley; Jesse W. et al.
US 6301499 B1	USPAT	20011009	Heart rate variability as an indicator of exercise capacity	600/510	600/521; 607/25	Carlson; Gerrard M. et al.
US 6285907 B1	USPAT	20010904	System providing ventricular pacing and biventricular coordination	607/9	607/25	Kramer; Andrew P. et al.

US 6280389 B1	USPAT	20010828	Patient identification for the pacing therapy using LV-RV pressure loop	600/485		Ding; Jiang et al.
US 6256536 B1	USPAT	20010703	Device and method for ventricular tracking and pacing	607/9		Kramer; Andrew P.
US 6192439 B1	USPAT	20010220	PCI-compliant interrupt steering architecture	710/260	710/48	Grunewald; Paul et al.
US 6144880 A	USPAT	20001107	Cardiac pacing using adjustable atrio-ventricular delays	607/23		Ding; Jiang et al.
US 6141703 A	USPAT	20001031	Interrupt sharing system assigning each interrupt request signal to a select one of system interrupt signals based on characteristic data of each peripheral device	710/10	710/104; 710/16; 710/8	Ding; Jiangang et al.
US 6026320 A	USPAT	20000215	Heart rate variability as an indicator of exercise capacity	600/510	600/521; 607/25	Carlson; Gerrard M. et al.
US 5983138 A	USPAT	19991109	Device and method for ventricular tracking and pacing	607/9		Kramer; Andrew P.
US 5931858 A	USPAT	19990803	Implantable device for monitoring aerobic capacity of patients	607/20		Kadhiresan; Veerichetty A. et al.
US 5855594 A	USPAT	19990105	Self-calibration system for capture verification in pacing devices	607/28	607/11; 607/27	Olive; Arthur L. et al.
US 5836987 A	USPAT	19981117	Apparatus and method for optimizing cardiac performance by determining the optimal timing interval from an accelerometer signal	607/17	607/18	Baumann; Lawrence S. et al.
US 5800471 A	USPAT	19980901	Method for optimizing cardiac performance by determining the optimal pacing mode-AV delay from a transient heart rate signal for use in CHF, brady, and tachy/brady therapy devices	607/25		Baumann; Lawrence S.
US 5311874 A	USPAT	19940517	Method for tachycardia discrimination	600/518		Baumann; Lawrence S.

• •

						et al.
--	--	--	--	--	--	--------